

<b>TEAM ID</b>	<b>PNT2022TMID47019</b>
<b>PROJECT NAME</b>	<b>SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITAN CITIES</b>

## PYTHON CODE

```
#IBM Watson IOT Platform
```

```
#pip install wiotp-sdk
```

```
import wiotp.sdk.device
```

```
import time
```

```
import random
```

```
myConfig = {
```

```
    "identity": {
```

```
        "orgId": "4jkkxf",
```

```
        "typeId": "NodeMCU",
```

```
        "deviceId": "mcu234"
```

```
    },
```

```
    "auth": {
```

```
        "token": "lEm6_snPPPi@-s+nTm"
```

```
    }
```

```
}
```

```
def myCommandCallback(cmd):
```

```
    print("Message received from IBM IoT Platform: %s" % cmd.data['command'])
```

```
    m=cmd.data['command']
```

```
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
```

```
client.connect()
```

```
while True:
```

```
    temp=random.randint(-20,125)
```

```
    hum=random.randint(0,100)
```

```
    myData={'temperature':temp, 'humidity':hum}
```

```
    client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPublish=None)
```

```
    print("Published data Successfully: %s", myData)
```

```
    client.commandCallback = myCommandCallback
```

```
    time.sleep(2)
```